


1	$P := (2, -1, 4)$  $\rightarrow (2, -1, 4)$
2	$v := (1, -2, 2)$  $\rightarrow \begin{pmatrix} 1 \\ -2 \\ 2 \end{pmatrix}$
3	$pq := k v$ $\rightarrow \begin{pmatrix} k \\ -2k \\ 2k \end{pmatrix}$
4	$Lengde[pq] = 12$  Løs: $\{k = -4, k = 4\}$
5	$oq := \text{Vektor}[P] + 4 v$  $\rightarrow \begin{pmatrix} 6 \\ -9 \\ 12 \end{pmatrix}$
6	$oq_2 := \text{Vektor}[P] - 4 v$  $\rightarrow \begin{pmatrix} -2 \\ 7 \\ -4 \end{pmatrix}$
7	